

# Fethi Bedioui

## List of Publications by Year in descending order

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251  
papers

10,109  
citations

28190

55  
h-index

48187

88  
g-index

266  
all docs

266  
docs citations

266  
times ranked

7629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallophthalocyanine-based molecular materials as catalysts for electrochemical reactions. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2755-2791.	9.5	502
2	Zeolite-encapsulated and clay-intercalated metal porphyrin, phthalocyanine and Schiff-base complexes as models for biomimetic oxidation catalysts: an overview. <i>Coordination Chemistry Reviews</i> , 1995, 144, 39-68.	9.5	417
3	Immobilization of metalloporphyrins in electropolymerized films: design and applications. <i>Accounts of Chemical Research</i> , 1995, 28, 30-36.	7.6	249
4	Electrocatalytic oxidation of nitrite on a vitreous carbon electrode modified with cobalt phthalocyanine. <i>Electrochimica Acta</i> , 2002, 47, 1489-1494.	2.6	238
5	Electrochemical Nitric Oxide Sensors for Biological Samples – Principle, Selected Examples and Applications. <i>Electroanalysis</i> , 2003, 15, 5-18.	1.5	231
6	Photoinduced Intramolecular Electron Transfer in Ruthenium and Osmium Polyads: Insights from Theory. <i>Journal of the American Chemical Society</i> , 2004, 126, 10763-10777.	6.6	210
7	The enzyme-like catalytic activity of cerium oxide nanoparticles and its dependency on Ce <sup>3+</sup> surface area concentration. <i>Nanoscale</i> , 2018, 10, 6971-6980.	2.8	208
8	Synthesis and Characterization of Cobalt <sup>II</sup> Complex Functionalized MCM-41. <i>Chemistry of Materials</i> , 1997, 9, 61-67.	3.2	197
9	Selective and sensitive electrochemical measurement of nitric oxide in aqueous solution: discussion and new results. <i>Journal of Electroanalytical Chemistry</i> , 1995, 392, 85-89.	1.9	151
10	Zeolite encapsulated cobalt(II) and copper(II) perfluorophthalocyanines. Synthesis and characterization. <i>Inorganic Chemistry</i> , 1994, 33, 67-72.	1.9	144
11	Electrochemical sensors based on carbon nanomaterials for acetaminophen detection: A review. <i>Analytica Chimica Acta</i> , 2015, 886, 16-28.	2.6	137
12	Oxidations catalyzed by zeolite ship-in-a-bottle complexes. <i>Applied Catalysis A: General</i> , 1996, 143, 159-173.	2.2	136
13	New electropolymerized nickel porphyrin films. Application to the detection of nitric oxide in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 1996, 408, 261-265.	1.9	130
14	Electro-oxidation of 2-mercaptoethanol on adsorbed monomeric and electropolymerized cobalt tetra-aminophthalocyanine films. Effect of film thickness. <i>Journal of Electroanalytical Chemistry</i> , 2001, 497, 75-83.	1.9	127
15	Carbon Nanotubes, Phthalocyanines and Porphyrins: Attractive Hybrid Materials for Electrocatalysis and Electroanalysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2201-2214.	0.9	122
16	Tuning the redox properties of metalloporphyrin- and metallophthalocyanine-based molecular electrodes for the highest electrocatalytic activity in the oxidation of thiols. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3383.	1.3	120
17	Electrochemical nitric oxide microsensors: sensitivity and selectivity characterisation. <i>Analytica Chimica Acta</i> , 2000, 411, 175-185.	2.6	117
18	Elaboration and use of nickel planar macrocyclic complex-based sensors for the direct electrochemical measurement of nitric oxide in biological media. <i>Biosensors and Bioelectronics</i> , 1997, 12, 205-212.	5.3	100

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19	Electroreduction of nitrite by hemin, myoglobin and hemoglobin in surfactant films. <i>Journal of Electroanalytical Chemistry</i> , 2001, 497, 106-113.	1.9	98
20	Electropolymerized nickel macrocyclic complex-based films: design and electrocatalytic application. <i>Journal of Materials Chemistry</i> , 1997, 7, 923-928.	6.7	93
21	Electrochemical and spectrophotometric study of the behavior of electropolymerized nickel porphyrin films in the determination of nitric oxide in solution. <i>Talanta</i> , 1996, 43, 303-311.	2.9	91
22	Improvement in the performance of a nickel complex-based electrochemical sensor for the detection of nitric oxide in solution. <i>Sensors and Actuators B: Chemical</i> , 1999, 56, 1-5.	4.0	91
23	Synthesis, spectral and electrochemical properties of a new family of pyrrole substituted cobalt, iron, manganese, nickel and zinc phthalocyanine complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 508-520.	0.4	91
24	The use of gold electrodes in the electrochemical detection of nitric oxide in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 1994, 377, 295-298.	1.9	86
25	Design and characterization of chemically modified electrodes with iron(III) porphyrinic-based polymers: study of their reactivity toward nitrites and nitric oxide in aqueous solution. <i>Analytica Chimica Acta</i> , 1997, 341, 177-185.	2.6	85
26	Electrocatalytic activity of cobalt phthalocyanine CoPc adsorbed on a graphite electrode for the oxidation of reduced l-glutathione (GSH) and the reduction of its disulfide (GSSG) at physiological pH. <i>Bioelectrochemistry</i> , 2007, 70, 147-154.	2.4	84
27	Enhanced electrochemical sensing of thiols based on cobalt phthalocyanine immobilized on nitrogen-doped graphene. <i>Biosensors and Bioelectronics</i> , 2015, 66, 438-444.	5.3	84
28	Nitric oxide production by endothelial cells: Comparison of three methods of quantification. <i>Life Sciences</i> , 1997, 61, 1193-1202.	2.0	83
29	A New Class of Functionalized Terpyridyl Ligands as Building Blocks for Photosensitized Supramolecular Architectures. Synthesis, Structural, and Electronic Characterizations. <i>Journal of the American Chemical Society</i> , 2002, 124, 1364-1377.	6.6	83
30	Comparative study of electropolymerized cobalt porphyrin and phthalocyanine based films for the electrochemical activation of thiols. <i>Journal of Materials Chemistry</i> , 2002, 12, 225-232.	6.7	81
31	Electrochemistry of conducting polypyrrole films containing cobalt porphyrin. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 297, 257-269.	0.3	77
32	Direct Measurement of Nitric Oxide Production in Platelets: Relationship with Cytosolic Ca <sup>2+</sup> Concentration. <i>Biochemical and Biophysical Research Communications</i> , 1995, 215, 842-848.	1.0	77
33	Conformationally Gated Photoinduced Processes within Photosensitizer-Acceptor Dyads Based on Osmium(II) Complexes with Triarylpyridinio-Functionalized Terpyridyl Ligands: A Insights from Experimental Study. <i>Journal of the American Chemical Society</i> , 2006, 128, 7510-7521.	6.6	77
34	Chemically modified microelectrodes designed for the electrochemical determination of nitric oxide in biological systems. <i>Electroanalysis</i> , 1996, 8, 1085-1091.	1.5	73
35	Electrooxidative polymerization of cobalt, nickel and manganese salen complexes in acetonitrile solution. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 301, 267-274.	0.3	70
36	Versatile functionalization of carbon electrodes with a polypyridine ligand: metallation and electrocatalytic H <sup>+</sup> and CO <sub>2</sub> reduction. <i>Chemical Communications</i> , 2015, 51, 2995-2998.	2.2	70

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37	Metalloporphyrin-polypyrrole film electrode: characterization and catalytic application. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1986, 207, 87-99.	0.3	69
38	Electrochemistry of zeolite-encapsulated cobalt salen complexes in acetonitrile and dimethyl sulphoxide solutions. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 3831.	1.7	68
39	Electrochemistry of conducting polypyrrole films containing cobalt porphyrin. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 277, 197-211.	0.3	66
40	Electro-oxidation of phenol and its derivatives on poly-Ni(OH)TPhPyPc modified vitreous carbon electrodes. Journal of Electroanalytical Chemistry, 2005, 576, 323-332.	1.9	66
41	An electrochemical sensor array system for the direct, simultaneous in vitro monitoring of nitric oxide and superoxide production by cultured cells. Biosensors and Bioelectronics, 2005, 21, 917-922.	5.3	66
42	Designing Multifunctional Expanded Pyridiniums: Properties of Branched and Fused Head-to-Tail Bipyridiniums. Journal of the American Chemical Society, 2010, 132, 16700-16713.	6.6	65
43	Electrocatalysis of the oxidation of alcohol and phenol derivative pollutants at vitreous carbon electrode coated by nickel macrocyclic complex-based films. Analytica Chimica Acta, 1999, 378, 159-168.	2.6	64
44	Glassy carbon electrodes modified with single walled carbon nanotubes and cobalt phthalocyanine and nickel tetrasulfonated phthalocyanine: Highly stable new hybrids with enhanced electrocatalytic performances. Electrochemistry Communications, 2007, 9, 1629-1634.	2.3	64
45	Electrochemistry of zeolite-encapsulated complexes. Journal of Electroanalytical Chemistry, 1993, 345, 157-167.	1.9	63
46	Designing molecular materials and strategies for the electrochemical detection of nitric oxide, superoxide and peroxynitrite in biological systems. Physical Chemistry Chemical Physics, 2010, 12, 9976.	1.3	63
47	Electrochemistry of chemically modified zeolites: Discussion and new trends. Journal of Electroanalytical Chemistry, 1994, 373, 19-29.	1.9	62
48	Electropolymerized manganese porphyrin films as catalytic electrode materials for biomimetic oxidations with molecular oxygen. Journal of Molecular Catalysis A, 1996, 113, 3-11.	4.8	62
49	Trends in reactivity of unsubstituted and substituted cobalt-phthalocyanines for the electrocatalysis of glucose oxidation. Journal of Electroanalytical Chemistry, 2006, 589, 212-218.	1.9	62
50	Plasmid electrotransfer of eye ciliary muscle: principles and therapeutic efficacy using hTNF $\alpha$ soluble receptor in uveitis. FASEB Journal, 2006, 20, 389-391.	0.2	59
51	In situ formation and scanning electrochemical microscopy assisted positioning of NO-sensors above human umbilical vein endothelial cells for the detection of nitric oxide release. Electrochemistry Communications, 2003, 5, 847-852.	2.3	57
52	Electrochemical Detection of Nitric Oxide: Assessment of Twenty Years of Strategies. Electroanalysis, 2013, 25, 587-600.	1.5	57
53	Zeolite-porphyrin modified electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 187, 197-202.	0.3	56
54	Incorporation of anionic metalloporphyrins into poly(pyrrole-alkylammonium) films—Part 2. Characterization of the reactivity of the iron(III) porphyrininc-based polymer. Electrochimica Acta, 1993, 38, 2485-2491.	2.6	56

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55	First example of electroassisted biomimetic activation of molecular oxygen by a (salen)Mn epoxidation catalyst in a room-temperature ionic liquid. <i>Chemical Communications</i> , 2001, , 1458-1459.	2.2	56
56	Electrochemical behaviour of zeolite-encapsulated cobalt phthalocyanine complex in DMSO and DMF solutions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 315, 313-318.	0.3	55
57	Electrocatalysis of nitric oxide reduction by hemoglobin entrapped in surfactant films. <i>Electrochemistry Communications</i> , 2001, 3, 435-438.	2.3	55
58	Triarylpyridinium-Functionalized Terpyridyl Ligand for Photosensitized Supramolecular Architectures: Intercomponent Coupling and Photoinduced Processes Triarylpyridinium-Functionalized Terpyridyl Ligands for Photosensitized Supramolecular Architectures, Part 2. For Part 1 see reference 9.. <i>Chemistry - A European Journal</i> , 2002, 8, 3162.	1.7	54
59	Cobalt Phthalocyanine-Based Molecular Materials for the Electrocatalysis and Electroanalysis of 2-Mercaptoethanol, 2-Mercaptoethanesulfonic Acid, Reduced Glutathione and L-Cysteine. <i>Electroanalysis</i> , 2003, 15, 779-785.	1.5	54
60	Electrocatalysis of oxidation of 2-mercaptoethanol, l-cysteine and reduced glutathione by adsorbed and electrodeposited cobalt tetra phenoxypyrrrole and tetra ethoxythiophene substituted phthalocyanines. <i>Electrochimica Acta</i> , 2006, 51, 5125-5130.	2.6	54
61	Faujasite-type zeolites modified with iron perfluorophthalocyanines: Synthesis and characterization. <i>Microporous Materials</i> , 1994, 2, 119-126.	1.6	53
62	Nickel Tetraaminophthalocyanine Based Films for the Electrocatalytic Activation of Dopamine. <i>Electroanalysis</i> , 2003, 15, 969-974.	1.5	52
63	Poly(pyrrole-manganese tetraphenylporphyrin) film electrodes in acetonitrile solution. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 239, 433-439.	0.3	51
64	On-chip multi-electrochemical sensor array platform for simultaneous screening of nitric oxide and peroxynitrite. <i>Lab on A Chip</i> , 2011, 11, 1342.	3.1	51
65	Cyclic voltammetry and spectroelectrochemistry of a novel manganese phthalocyanine substituted with hexynyl groups. <i>Inorganic Chemistry Communication</i> , 2011, 14, 330-332.	1.8	51
66	Self-assembled monolayers and electropolymerized thin films of phthalocyanines as molecular materials for electroanalysis. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006, 10, 1101-1115.	0.4	50
67	Biocompatible carbon-based screen-printed electrodes for the electrochemical detection of nitric oxide. <i>Electrochemistry Communications</i> , 2006, 8, 238-244.	2.3	50
68	Redox and electrocatalytic properties of cobalt-bipyridyl-polypyrrole film electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 224, 95-110.	0.3	49
69	Reversibility of the l-cysteine/l-cystine redox process at physiological pH on graphite electrodes modified with coenzyme B12 and vitamin B12. <i>Electrochimica Acta</i> , 2002, 48, 323-329.	2.6	49
70	Electropolymerized Pyrrole-Substituted Manganese Phthalocyanine Films for the Electroassisted Biomimetic Catalytic Reduction of Molecular Oxygen. <i>Electroanalysis</i> , 2005, 17, 186-190.	1.5	49
71	Real-time electrochemical detection of extracellular nitric oxide in tobacco cells exposed to cryptogin, an elicitor of defence responses. <i>Journal of Experimental Botany</i> , 2008, 59, 3407-3414.	2.4	48
72	Rhenium Complexes Based on 2-Pyridyl-1,2,3-triazole Ligands: A New Class of CO <sub>2</sub> Reduction Catalysts. <i>Inorganic Chemistry</i> , 2017, 56, 2966-2976.	1.9	48

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73	Epoxidation of cis-cyclooctene by molecular oxygen electrocatalysed by polypyrrole-manganese porphyrin film modified electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 250, 191-199.	0.3	47
74	Experimental and Theoretical Study of the Activity of Substituted Metallophthalocyanines for Nitrite Electro-oxidation. <i>Journal of the Electrochemical Society</i> , 2004, 151, E32.	1.3	47
75	Expanded Pyridiniums: Bis-cyclization of Branched Pyridiniums into Their Fused Polycyclic and Positively Charged Derivatives—Assessing the Impact of Pericondensation on Structural, Electrochemical, Electronic, and Photophysical Features. <i>Chemistry - A European Journal</i> , 2010, 16, 11047-11063.	1.7	46
76	Comment on “Zeolite-Modified Electrodes: Intra- versus Extrazeolite Electron Transfer. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8607-8609.	2.9	45
77	Analysis of the evolution of the detection limits of electrochemical DNA biosensors. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3705-3714.	1.9	45
78	Electro-Assisted Reduction of CO <sub>2</sub> to CO and Formaldehyde by (TOA) <sub>6</sub> [ $\pm$ SiW <sub>11</sub> O <sub>39</sub> Co(_)] Polyoxometalate. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3642-3648.	1.0	45
79	Electropolymerisation and redox properties of bipyridyl-polypyrrole and Cu(II) bipyridyl-polypyrrole film electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 205, 309-318.	0.3	44
80	In Vivo Electrochemical Detection of Nitric Oxide in Tumor-Bearing Mice. <i>Analytical Chemistry</i> , 2007, 79, 1030-1033.	3.2	44
81	Electrocatalytic Activity of Substituted Metallophthalocyanines Adsorbed on Vitreous Carbon Electrode for Nitric Oxide Oxidation. <i>Journal of the Electrochemical Society</i> , 2003, 150, E95.	1.3	43
82	Simultaneous detection of the release of glutamate and nitric oxide from adherently growing cells using an array of glutamate and nitric oxide selective electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1559-1565.	5.3	43
83	Photoinduced Processes within Compact Dyads Based on Triphenylpyridinium-Functionalized Bipyridyl Complexes of Ruthenium(II). <i>Chemistry - A European Journal</i> , 2005, 11, 3711-3727.	1.7	43
84	Simultaneous Electrochemical Speciation of Oxidized and Reduced Glutathione. Redox Profiling of Oxidative Stress in Biological Fluids with a Modified Carbon Electrode. <i>Analytical Chemistry</i> , 2017, 89, 10726-10733.	3.2	42
85	Electrochemical characterization of manganese porphyrins fixed onto silica and layered dihydroxide matrices. <i>Journal of Electroanalytical Chemistry</i> , 1993, 347, 435-442.	1.9	41
86	New Composite Modified Carbon Microfibers for Sensitive and Selective Determination of Physiologically Relevant Concentrations of Nitric Oxide in Solution. <i>Electroanalysis</i> , 1999, 11, 845-850.	1.5	41
87	Carbon nanotubes and metalloporphyrins and metallophthalocyanines-based materials for electroanalysis. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 713-740.	0.4	41
88	Nickel tetrasulfonated phthalocyanine based platinum microelectrode array for nitric oxide oxidation. <i>Electrochemistry Communications</i> , 2002, 4, 922-927.	2.3	39
89	Electrochemistry of zeolite-encapsulated complexes: new observations. <i>Journal of Electroanalytical Chemistry</i> , 1998, 454, 83-89.	1.9	38
90	Functionalised electrode array for the detection of nitric oxide released by endothelial cells using different NO-sensing chemistries. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1594-1600.	1.9	37

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91	Overview of significant examples of electrochemical sensor arrays designed for detection of nitric oxide and relevant species in a biological environment. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3475-3488.	1.9	37
92	Electrocatalysis of 2-mercaptoethanesulfonic acid oxidation on cobalt phthalocyanine modified electrodes. Effect of surface concentration of the catalyst. <i>Electrochimica Acta</i> , 2001, 46, 3397-3404.	2.6	35
93	Electropolymerized Manganese Tetraaminophthalocyanine Thin Films onto Platinum Ultramicroelectrode for the Electrochemical Detection of Peroxynitrite in Solution. <i>Electroanalysis</i> , 2007, 19, 61-64.	1.5	35
94	Noninvasive Galvanic Skin Sensor for Early Diagnosis of Sudomotor Dysfunction: Application to Diabetes. <i>IEEE Sensors Journal</i> , 2012, 12, 456-463.	2.4	35
95	Tuning the redox properties of Co-N4 macrocyclic complexes for the catalytic electrooxidation of glucose. <i>Electrochimica Acta</i> , 2008, 53, 4883-4888.	2.6	33
96	Hybrid Materials from Carbon Nanotubes, Nickel Tetrasulfonated Phthalocyanine and Thin Polymer Layers for the Selective Electrochemical Activation of Nitric Oxide in Solution. <i>Electroanalysis</i> , 2009, 21, 2303-2310.	1.5	33
97	Incorporation of anionic cobalt porphyrin by anion exchange into polypyrrole films containing alkylammonium groups. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 1567.	1.7	32
98	Inverted correlations between rate constants and redox potential of the catalyst for the electrooxidation of 2-aminoethanethiol mediated by surface confined substituted cobalt-phthalocyanines. <i>Journal of Electroanalytical Chemistry</i> , 2005, 580, 50-56.	1.9	30
99	Single-Step versus Stepwise Two-Electron Reduction of Polyarylpyridiniums: Insights from the Steric Switching of Redox Potential Compression. <i>Journal of the American Chemical Society</i> , 2012, 134, 2691-2705.	6.6	30
100	Effect of film thickness on the electro-reduction of molecular oxygen on electropolymerized cobalt tetra-aminophthalocyanine films. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 21-29.	1.2	29
101	Nanostructured zinc oxide chromophore hybrid films with multicolored electrochromic properties. <i>Journal of Materials Chemistry</i> , 2005, 15, 1552-1559.	6.7	29
102	Simultaneous intra- and extracellular superoxide monitoring using an integrated optical and electrochemical sensor system. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 979-984.	1.0	29
103	Electrochemical DNA biosensors based on long-range electron transfer: investigating the efficiency of a fluidic channel microelectrode compared to an ultramicroelectrode in a two-electrode setup. <i>Lab on A Chip</i> , 2016, 16, 4373-4381.	3.1	29
104	The electrocatalytic reduction of organohalides by myoglobin and hemoglobin in a biomembrane-like film and its application to the electrochemical detection of pollutants: new trends and discussion. <i>Sensors and Actuators B: Chemical</i> , 1999, 59, 128-133.	4.0	28
105	Electrocatalytic Oxidation of 2-Mercaptoethanol by Electropolymerized Cobalt Porphyrin Film on Vitreous Carbon Electrodes. <i>Electroanalysis</i> , 2001, 13, 253-256.	1.5	28
106	Electropolymerized cobalt macrocomplex-based films for thiols electro-oxidation: effect of the film formation conditions and the nature of the macrocyclic ligand. <i>Solid State Ionics</i> , 2004, 169, 59-63.	1.3	28
107	Electroanalytical study of the activation of dioxygen in acetonitrile solution by manganese porphyrin films deposited onto carbon electrodes. <i>Electrochimica Acta</i> , 1993, 38, 1747-1751.	2.6	27
108	Direct electrochemical characterization of superoxide anion production and its reactivity toward nitric oxide in solution. <i>Journal of Electroanalytical Chemistry</i> , 1997, 436, 261-265.	1.9	27

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109	Electrochemical detection of nitric oxide production in perfused pig coronary artery: comparison of the performances of two electrochemical sensors. <i>Journal of Pharmacological and Toxicological Methods</i> , 1998, 40, 95-100.	0.3	27
110	Label-free graphene oxide-based SPR genosensor for the quantification of microRNA21. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3539-3546.	1.9	27
111	Electrochemical preparation and characterization of zinc porphyrin-coated electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 319, 395-402.	0.3	26
112	Electro-catalyzed oxidation of reduced glutathione and 2-mercaptoethanol by cobalt phthalocyanine-containing screen printed graphite electrodes. <i>Materials Science and Engineering C</i> , 2008, 28, 606-612.	3.8	26
113	Electroassisted biomimetic oxidation of hydrocarbons by molecular oxygen catalyzed by manganese porphyrin complexes intercalated into montmorillonite. <i>Journal of Molecular Catalysis</i> , 1993, 78, L23-L26.	1.2	25
114	Superoxide release from interleukin-1 $\beta$ -stimulated human vascular cells: in situ electrochemical measurement. <i>Free Radical Biology and Medicine</i> , 1999, 27, 554-559.	1.3	25
115	Electrografted nanostructured platforms for click chemistry. <i>Electrochemistry Communications</i> , 2012, 23, 141-144.	2.3	25
116	A Maltol-Containing Ruthenium Polypyridyl Complex as a Potential Anticancer Agent. <i>Chemistry - A European Journal</i> , 2020, 26, 4997-5009.	1.7	25
117	Evaluation of the Selectivity of Overoxidized Polypyrrole/Superoxide Dismutase Based Microsensor for the Electrochemical Measurement of Superoxide Anion in Solution. <i>Electroanalysis</i> , 2001, 13, 524-528.	1.5	24
118	Combined System for the Simultaneous Optical and Electrochemical Monitoring of Intra- and Extracellular NO Produced by Glioblastoma Cells. <i>Analytical Chemistry</i> , 2005, 77, 2733-2738.	3.2	24
119	Electrochemical analysis of the kinetics of nitric oxide release from two diazeniumdiolates in buffered aqueous solutions. <i>Electrochemistry Communications</i> , 2007, 9, 2551-2556.	2.3	24
120	Electrochemical Characterization of Nickel Electrodes in Phosphate and Carbonate Electrolytes in View of Assessing a Medical Diagnostic Device for the Detection of Early Diabetes. <i>Electroanalysis</i> , 2010, 22, 2483-2490.	1.5	24
121	Ruthenium(II) Complex Containing a Redox-Active Semiquinonate Ligand as a Potential Chemotherapeutic Agent: From Synthesis to <i>In Vivo</i> Studies. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 5568-5584.	2.9	24
122	Electrochemistry of zeolite-encapsulated complexes. Part 4. Characterization of transition-metal polypyridinediyl and phenanthroline complexes entrapped in Y faujasite-type zeolite. <i>Journal of Materials Chemistry</i> , 1993, 3, 873-876.	6.7	22
123	Effects of Electrogenenerated Silver Particles on the Electrochemistry of Zeolite-Encapsulated Iron Salen Complex. <i>Journal of the Electrochemical Society</i> , 1994, 141, 3049-3052.	1.3	22
124	Surface patterning using scanning electrochemical microscopy to locally trigger a click chemistry reaction. <i>Electrochemistry Communications</i> , 2013, 31, 112-115.	2.3	22
125	Assessing the Electrocatalytic Properties of the {Cp*Rh <sup>III</sup> } <sup>2+</sup> Polyoxometalate Derivative [H <sub>2</sub> PW <sub>11</sub> O <sub>39</sub> Rh <sup>III</sup> Cp*(OH) <sub>2</sub> ] <sup>3-</sup> towards CO <sub>2</sub> Reduction. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 387-393.	1.0	22
126	Electrocatalysis of the reduction of organic halide derivatives at modified electrodes coated by cobalt and iron macrocyclic complex-based films: application to the electrochemical determination of pollutants. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000, 28, 238-244.	0.4	22



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127	Electrooxidative and electroreductive polymerization of 5-amino-1,10-phenanthroline ligand, iron and cobalt complexes in acetonitrile media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 238, 197-214.	0.3	21
128	Poly(pyrrole manganese porphyrin) film electrode as a catalyst in electro-assisted oxidation reactions using molecular oxygen: comparison with described homogeneous systems. <i>Journal of Molecular Catalysis</i> , 1989, 56, 267-275.	1.2	21
129	Stable hemin embedded in Nafion films for the catalytic reduction of trichloroacetic acid under hydrodynamic conditions. <i>Electrochemistry Communications</i> , 2005, 7, 853-856.	2.3	21
130	In situ characterization by cyclic voltammetry and conductance of composites based on polypyrrole, multi-walled carbon nanotubes and cobalt phthalocyanine. <i>Electrochimica Acta</i> , 2013, 89, 840-847.	2.6	21
131	Development of a flow microsensor for selective detection of nitric oxide in the presence of hydrogen peroxide. <i>Electrochimica Acta</i> , 2018, 286, 365-373.	2.6	21
132	Conversion of organic halides by CO into aldehydes using electroreduced $\text{Fe}(\text{CO})_5$ . <i>Tetrahedron Letters</i> , 1988, 29, 6441-6442.	0.7	20
133	Overoxidized Polypyrrole/Cobalt Tetrasulfonated Phthalocyanine Modified Ultramicro-Carbon-Fiber Electrodes for the Electrooxidation of 2-Mercaptoethanol. <i>Electroanalysis</i> , 2001, 13, 1136-1139.	1.5	20
134	Electrochemical Characterization of Self-Assembled Monolayer of a Novel Manganese Tetrabenzylthio-Substituted Phthalocyanine and Its Use in Nitrite Oxidation. <i>Electroanalysis</i> , 2008, 20, 1863-1872.	1.5	20
135	Microelectrochemical patterning of gold surfaces using 4-azidobenzediazonium and scanning electrochemical microscopy. <i>Electrochemistry Communications</i> , 2011, 13, 150-153.	2.3	19
136	Surface Functionalization by Plasma Treatment and Click Chemistry of a New Family of Fluorinated Polymeric Materials for Microfluidic Chips. <i>Plasma Processes and Polymers</i> , 2014, 11, 518-523.	1.6	19
137	Practical aspects and methodological approaches to achieve electrochemical detection of submicromolar NO in biological systems. <i>Biosensors and Bioelectronics</i> , 1998, 13, 227-230.	5.3	18
138	Electrochemical sensing of nitric oxide for biological systems: methodological approach and new insights in examining interfering compounds. <i>Talanta</i> , 2003, 61, 53-59.	2.9	18
139	Electroassisted elimination of ruthenium from dissolved $\text{RuO}_2 \cdot x\text{H}_2\text{O}$ in nitric acid solution by using $\text{Ag}(\text{II})$ redox mediator: toward a new insight into the nuclear fuel reprocessing. <i>Electrochemistry Communications</i> , 2004, 6, 351-356.	2.3	18
140	Integrated compact biocompatible hydrogel-based amperometric sensing device for easy screening of drugs involved in nitric oxide production by adherent cultured cells. <i>Electrochimica Acta</i> , 2005, 50, 4988-4994.	2.6	18
141	Volcano correlations for the reactivity of surface-confined cobalt N4-macrocyclics for the electrocatalytic oxidation of 2-mercaptoacetate. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 473-481.	1.2	18
142	Electrochemical approach to detect the presence of peroxynitrite in aerobic neutral solution. <i>Electrochemistry Communications</i> , 2010, 12, 1446-1449.	2.3	18
143	Structural studies of metalloporphyrins. 9. "Looping-over" cobalt porphyrins: coordinating properties and application to dioxygen fixation and activation. <i>Inorganic Chemistry</i> , 1990, 29, 2734-2740.	1.9	17
144	New conducting polymers: preparation and spectroscopic properties of zinc-porphyrin and anthraquinone-coated electrodes. <i>Synthetic Metals</i> , 1996, 81, 205-210.	2.1	17

#	ARTICLE	IF	CITATIONS
145	Electroassisted catalysis of the reductive coupling of 2-bromooctane and methyl vinyl ketone by a binuclear cobalt-salen-iron complex in DMF solution: electroanalysis and cyclic voltammetry analysis. <i>New Journal of Chemistry</i> , 1999, 23, 489-494.	1.4	17
146	UV-Visible and Electrochemical Monitoring of Carbon Monoxide Release by Donor Complexes to Myoglobin Solutions and to Electrodes Modified with Films Containing Hemin. <i>Electroanalysis</i> , 2006, 18, 1689-1695.	1.5	17
147	Spontaneous adsorbed layers of 4-nitrobenzenediazonium salt on gold and glassy carbon: Local characterization by SECM and electron-transfer kinetics evaluation. <i>Journal of Electroanalytical Chemistry</i> , 2010, 647, 93-96.	1.9	17
148	Ticoid Expanded Pyridiniums: Assessing Structural, Electrochemical, Electronic, and Photophysical Features. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7880-7891.	1.1	17
149	CATALYTIC ACTIVITY OF ELECTRODE MATERIALS BASED ON POLYPYRROLE, MULTI-WALL CARBON NANOTUBES AND COBALT PHTHALOCYANINE FOR THE ELECTROOXIDATION OF GLUTATHIONE AND L-CYSTEINE. <i>Journal of the Chilean Chemical Society</i> , 2012, 57, 1244-1247.	0.5	17
150	Hydrogel Matrix-Grafted Impedimetric Aptasensors for the Detection of Diclofenac. <i>Langmuir</i> , 2020, 36, 827-836.	1.6	17
151	Voltammetric analysis of the catalytic reactivity of electrogenerated Cobalt-salen with organohalogenated derivatives in an ionic liquid at room temperature. <i>Journal of Molecular Catalysis A</i> , 2004, 214, 91-94.	4.8	16
152	Electrochemical Investigation of the Role of Reducing Agents in Copper-Catalyzed Nitric Oxide Release from S-Nitrosoglutathione. <i>Electroanalysis</i> , 2006, 18, 1827-1832.	1.5	16
153	Electrochemical DNA-biosensors based on long-range electron transfer: optimization of the amperometric detection in the femtomolar range using two-electrode setup and ultramicroelectrode. <i>Electrochimica Acta</i> , 2016, 209, 269-277.	2.6	16
154	The Oxidation of Thiols by Cobalt N4-Complexes: A Correlation between Theory and Experiments. <i>Journal of Physical Chemistry A</i> , 2001, 105, 11304-11311.	1.1	15
155	Environment effects on the oxidation of thiols: cobalt phthalocyanine as a test case. <i>Chemical Physics Letters</i> , 2003, 376, 690-697.	1.2	15
156	Theoretical modelling of photoactive molecular systems: insights using the Density Functional Theory. <i>Comptes Rendus Chimie</i> , 2006, 9, 226-239.	0.2	15
157	Electrochemical DNA-biosensors: Two-electrode setup well adapted for miniaturized devices. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 510-513.	4.0	15
158	In Search of the Best Iron N4-Macrocyclic Catalysts Adsorbed on Graphite Electrodes and on Multi-walled Carbon Nanotubes for the Oxidation of L-Cysteine by Adjusting the Fe(II)/(I) Formal Potential of the Complex. <i>Electrocatalysis</i> , 2014, 5, 426-437.	1.5	15
159	Amperometric detection of diclofenac at a nano-structured multi-wall carbon nanotubes sensing films. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107454.	1.8	15
160	Electrochemistry of manganese porphyrin intercalated into montmorillonite. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 303, 283-287.	0.3	14
161	Electrochemical characterization of vanadium molecular sieve, VAPO-5. <i>Inorganica Chimica Acta</i> , 1997, 254, 151-155.	1.2	14
162	Amperometric Detection of Urea in Aqueous Solution by Poly(Ni-cyclam) Film-Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2003, 15, 70-73.	1.5	14

#	ARTICLE	IF	CITATIONS
163	Preparation and Characterization of Electrodes Modified with Pyrrole Surfactant, Multiwalled Carbon Nanotubes and Metallophthalocyanines for the Electrochemical Detection of Thiols. <i>Electroanalysis</i> , 2014, 26, 507-512.	1.5	14
164	Colorimetric analysis of the decomposition of S-nitrosothiols on paper-based microfluidic devices. <i>Analyst</i> , The, 2016, 141, 6314-6320.	1.7	14
165	Electrochemical preparation of anthraquinone and zinc porphyrin coated electrodes: redox activity and film stability. <i>Journal of Materials Chemistry</i> , 1995, 5, 625.	6.7	13
166	Novel biocompatible hydrogel-based amperometric sensor for nitric oxide gas detection: towards a non-invasive device. <i>Chemical Communications</i> , 2004, , 1302.	2.2	13
167	Construction and use of an integrated electrochemical device for the detection of biologically relevant compounds released from non-adherent cells: Application for the electrochemical determination of nitric oxide produced by human U937 cells. <i>Electrochemistry Communications</i> , 2006, 8, 341-347.	2.3	13
168	4-Azidoaniline-based electropolymer as a building block for functionalisation of conductive surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2012, 670, 79-84.	1.9	13
169	Layer by Layer Electrode Surface Functionalisation Using Carbon Nanotubes, Electrochemical Grafting of Azide-Alkyne Functions and Click Chemistry. <i>Electroanalysis</i> , 2012, 24, 1833-1838.	1.5	13
170	First electrochemical evidence of existence of an oxomanganese(V) porphyrin intermediate in the reaction of manganese(III) porphyrin and hydrogen peroxide as a model of enzyme mimetics. <i>Electrochemistry Communications</i> , 2003, 5, 129-132.	2.3	12
171	Electrochemical Characterization of Stainless Steel as a New Electrode Material in a Medical Device for the Diagnosis of Sudomotor Dysfunction. <i>Electroanalysis</i> , 2012, 24, 1324-1333.	1.5	12
172	Amperometric Quantification of S-Nitrosoglutathione Using Gold Nanoparticles: A Step toward Determination of S-Nitrosothiols in Plasma. <i>Analytical Chemistry</i> , 2016, 88, 3115-3120.	3.2	12
173	Biomimetic Electroreduction of O <sub>2</sub> by Hemoglobin in a Surfactant Film: Preliminary Electrochemical Impedance Spectroscopy Insight. <i>Electroanalysis</i> , 2004, 16, 1632-1636.	1.5	11
174	Solvent Effect on Density Functional Reactivity Indexes Applied to Substituted Nickel Phthalocyanines. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6045-6051.	1.1	11
175	Electroanalytical methodologies for the detection of S-nitrosothiols in biological fluids. <i>Analyst</i> , The, 2013, 138, 5173.	1.7	11
176	Surface Functionalization of COC Microfluidic Materials by Plasma and Click Chemistry Processes. <i>Plasma Processes and Polymers</i> , 2013, 10, 959-969.	1.6	11
177	Electrochemical detection of nitric oxide and S-nitrosothiols in biological systems: Past, present & future. <i>Current Opinion in Electrochemistry</i> , 2018, 12, 42-50.	2.5	11
178	Zeolite Encapsulated Metal-Schiff Base Complexes. Synthesis and Electrochemical Characterization. <i>Studies in Surface Science and Catalysis</i> , 1994, , 917-924.	1.5	10
179	Immobilization of Cobalt Complexes on Mesoporous MCM-41 Support Materials. <i>Materials Research Society Symposia Proceedings</i> , 1996, 431, 89.	0.1	10
180	Spectroscopic and Electrochemical Study of the Adsorption of [Co(II)2Cl2]Cl on $\gamma$ -Alumina: Influence of the Alumina Ligand on Co(III)/(II) Redox Potential. <i>Journal of Physical Chemistry B</i> , 2006, 110, 900-906.	1.2	10

#	ARTICLE	IF	CITATIONS
181	In Vivo Electrochemical Detection of Nitroglycerin-Derived Nitric Oxide in Tumor-Bearing Mice. <i>Electroanalysis</i> , 2009, 21, 631-634.	1.5	10
182	Horseradish Peroxidase Nanopatterned Electrodes by Click Chemistry: Application to the Electrochemical Detection of Paracetamol. <i>Electroanalysis</i> , 2013, 25, 1369-1372.	1.5	10
183	Electrochemically assisted micro localized grafting of aptamers in a microchannel engraved in fluorinated thermoplastic polymer Dyneon THV. <i>RSC Advances</i> , 2015, 5, 11128-11131.	1.7	10
184	Electrochemical Assessment of Possible Melatonin Effect On Nitric Oxide Production From Kidneys Of Sub-Acute Lead Treated Rats. <i>Electrochimica Acta</i> , 2015, 166, 88-92.	2.6	10
185	Electroassisted Oxidation of Cis-Cyclooctene and Adamantane by Molecular Oxygen Catalyzed by Polypyrrole Manganese Porphyrin Films. <i>Studies in Surface Science and Catalysis</i> , 1991, 66, 221-228.	1.5	9
186	Preparation and characterization of an electronically conductive and chemically modified ultrafiltration type membrane. <i>Journal of Membrane Science</i> , 2001, 184, 165-173.	4.1	9
187	Amperometric fluidic microchip array sensing device for nitric oxide determination in solution. <i>Materials Science and Engineering C</i> , 2006, 26, 534-537.	3.8	9
188	Array of ultramicroelectrodes for the simultaneous detection of nitric oxide and peroxynitrite in biological systems. <i>Electrochimica Acta</i> , 2014, 140, 33-36.	2.6	9
189	Capillary electrophoresis coupled to contactless conductivity detection for the analysis of S-nitrosothiols decomposition and reactivity. <i>Electrophoresis</i> , 2015, 36, 1982-1988.	1.3	9
190	Corrosion analysis of AISI 430 stainless steel in the presence of Escherichia coli and Staphylococcus aureus. <i>Corrosion Science</i> , 2021, 181, 109204.	3.0	9
191	Design of electrochemical microsensors to monitor nitric oxide production in biological systems: a global compilation. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000, 28, 465-469.	0.4	9
192	Electrochemical properties of an insoluble polymeric Schiff base cobalt complex. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 170, 255-263.	0.3	8
193	New stable modified electrodes coated by electroactive films of polypyrrole nickel(II)-bipyridine complex. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 274, 271-279.	0.3	8
194	Poly(Pyrrole-Cobaltporphyrin) Film Modified Electrodes: Preparation and Catalytic Application. <i>Materials Science Forum</i> , 1991, 42, 221-224.	0.3	8
195	Tuning the Formal Potential of Metallomacrocyclics for Maximum Catalytic Activity For the Oxidation of Thiols and Hydrazine. <i>ECS Transactions</i> , 2009, 19, 97-112.	0.3	8
196	Micro-ring disc ultramicroelectrodes array for direct detection of NO-release from S-nitrosoglutathione. <i>Electrochemistry Communications</i> , 2011, 13, 681-684.	2.3	8
197	Electrochemical Kinetics of Anodic Ni Dissolution in Aqueous Media as a Function of Chloride Ion Concentration at pH Values Close to Physiological Conditions. <i>Electroanalysis</i> , 2012, 24, 386-391.	1.5	8
198	Capillary electrophoresis with mass spectrometric detection for separation of S-nitrosoglutathione and its decomposition products: a deeper insight into the decomposition pathways. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6221-6226.	1.9	8

#	ARTICLE	IF	CITATIONS
199	Analysis of the evolution of the detection limits of electrochemical nucleic acid biosensors II. Analytical and Bioanalytical Chemistry, 2017, 409, 4335-4352.	1.9	8
200	Selective and sensitive electrochemical biosensing of superoxide anion production by biological systems : a short overview of recent trends. Analisis - European Journal of Analytical Chemistry, 1999, 27, 564-569.	0.4	8
201	Cyclic voltammetry of zeolite-supported manganese porphyrins. Journal of Materials Chemistry, 1994, 4, 1215.	6.7	7
202	Electropolymerized Metalloporphyrin Metallophthalocyanine and Metal Schiff Base Complex Films: Applications to Biomimetic Electrocatalysis and Bioelectroanalysis. , 2006, , 363-438.		7
203	Preparation and Characterization of Modified Electrodes Based on Carbon Nanotubes /Pyrrole/Cobalt Phthalocyanine for the Development of Hybrid Materials for the Electrochemical Activation of 2-mercaptoethanol. ECS Transactions, 2008, 15, 133-141.	0.3	7
204	Evaluation of the Performance of Manganese Phthalocyanines as Superoxide Dismutase Mimics. Current Analytical Chemistry, 2009, 5, 330-338.	0.6	7
205	Comment on "Electrochemical Detection of Peroxynitrite Using a Biosensor Based on a Conducting Polymer" "Manganese Ion Complex". Analytical Chemistry, 2011, 83, 5463-5464.	3.2	7
206	Ageing of nickel used as sensitive material for early detection of sudomotor dysfunction. Applied Surface Science, 2012, 258, 2724-2731.	3.1	7
207	Small fiber neuropathy diagnosis by a non-invasive electrochemical method: mimicking the in-vivo responses by optimization of electrolytic cell parameters. Electrochimica Acta, 2014, 140, 37-41.	2.6	7
208	Biological cell morphology studies by scanning electrochemical microscopy imagery at constant height: Contrast enhancement using biocompatible conductive substrates. Electrochimica Acta, 2015, 157, 95-100.	2.6	7
209	Two-step local functionalization of fluoropolymer Dyneon THV microfluidic materials by scanning electrochemical microscopy combined to click reaction. Electrochemistry Communications, 2015, 60, 5-8.	2.3	7
210	Aptamer entrapment in microfluidic channel using one-step sol-gel process, in view of the integration of a new selective extraction phase for lab-on-a-chip. Electrophoresis, 2017, 38, 2456-2461.	1.3	7
211	Quantitation of Cu <sup>+</sup> -catalyzed Decomposition of S-Nitrosoglutathione Using Saville and Electrochemical Detection: a Pronounced Effect of Glutathione and Copper Concentrations. Electroanalysis, 2015, 27, 2857-2863.	1.5	6
212	Integrated microfluidic device for the separation, decomposition and detection of low molecular weight S-nitrosothiols. Analyst, The, 2019, 144, 180-185.	1.7	6
213	Surface functionalization of cyclic olefin copolymer by plasma-enhanced chemical vapor deposition using atmospheric pressure plasma jet for microfluidic applications. Plasma Processes and Polymers, 2019, 16, 1800195.	1.6	6
214	In Situ Characterization of Redox Properties of Water-Soluble Porphyrins Irreversibly Adsorbed on Gold Electrode Using the Electroreflectance Technique. Journal of the Electrochemical Society, 1985, 132, 2120-2124.	1.3	5
215	Direct Electrochemical Measurement of Nitric Oxide Production by Cytochrome P450-catalyzed Oxidation of N,N <sup>2</sup> -Substituted Hydroxyguanidines. Analytical Communications, 1997, 34, 69-71.	2.2	5
216	Evaluation of the nonbiofouling behaviour of nitric oxide electrochemical sensor materials by using sessile drop contact angle measurements and free enthalpy of adhesion calculations. Materials Science and Engineering C, 2002, 21, 69-73.	3.8	5

#	ARTICLE	IF	CITATIONS
217	Cobalt Phthalocyanine Molecular Electrode for the Electrochemical Investigation of the Release of Glutathione upon Copper-Catalyzed Decomposition of S-Nitrosoglutathione. <i>Electroanalysis</i> , 2007, 19, 103-106.	1.5	5
218	SUDOSCAN Device for the Early Detection of Diabetes: In Vitro Measurement versus Results of Clinical Tests. <i>Sensor Letters</i> , 2011, 9, 2147-2149.	0.4	5
219	Inverted Linear Correlation Between the Catalytic Activity of Iron Phthalocyanines and the Formal Potential of the Catalyst in the Electrooxidation of L-Cysteine. <i>Electrocatalysis</i> , 2012, 3, 153-159.	1.5	4
220	Electrochemical Detection of Nitric Oxide in Plant Cell Suspensions. <i>Methods in Molecular Biology</i> , 2016, 1424, 127-137.	0.4	4
221	Corrosion Behavior of Biocompatible Stainless Steels in Physiological Medium for Non-Invasive Diagnosis of Small Fiber Neuropathies Applications. <i>Electroanalysis</i> , 2016, 28, 380-384.	1.5	4
222	Electrochemical Behavior of Electrode Materials (Nickel and Stainless Steels) for Sudomotor Dysfunction Applications: A Review. <i>Electroanalysis</i> , 2018, 30, 2525-2534.	1.5	4
223	Cobalt-Salen Catalyzed Electroreductive Alkylation of Activated Olefins. <i>Journal of Chemistry</i> , 2019, 2019, 1-6.	0.9	4
224	Speciation and quantitation of precious metals in model acidic leach liquors, theoretical and practical aspects of recycling. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4595-4608.	1.9	4
225	Multiple Zones Modification of Open Off-Stoichiometry Thiol-Ene Microchannel by Aptamers: A Methodological Study & A Proof of Concept. <i>Chemosensors</i> , 2020, 8, 24.	1.8	4
226	A qnr-plasmid allows aminoglycosides to induce SOS in Escherichia coli. <i>ELife</i> , 2022, 11, .	2.8	4
227	Functionalized Multi-Walled Carbon Nanotube-Based Aptasensors for Diclofenac Detection. <i>Frontiers in Chemistry</i> , 2021, 9, 812909.	1.8	4
228	Electrochemical copolymerization of 5-amino-1, 10-phenanthroline cobalt complex with 1-vinyl-imidazole in acetonitrile solution. <i>Electrochimica Acta</i> , 1995, 40, 253-254.	2.6	3
229	Self-Assembling of Redox-Active Atrazine Poly(ethylenimine) Conjugates – Interfacial Electrochemical and Spectroscopic Characterization. <i>Electroanalysis</i> , 2006, 18, 684-694.	1.5	3
230	Electrochemical Devices for Monitoring Biomarkers in Embryo Development. <i>Electrochimica Acta</i> , 2014, 140, 42-48.	2.6	3
231	Surface Modeling of Nanopatterned Polymer Films Obtained by Colloidal Templated Electropolymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3359-3364.	0.9	3
232	Electrografting of aryl diazonium on thin layer platinum microbands: Towards customized surface functionalization within microsystems. <i>Electrochemistry Communications</i> , 2016, 70, 78-81.	2.3	3
233	Coupling Electrochemical Adsorption and Long-Range Electron Transfer: Label-Free DNA Mismatch Detection with Ultramicroelectrode (UME). <i>Electroanalysis</i> , 2019, 31, 2232-2237.	1.5	3
234	Préparation et application catalytique de films de polypyrrole fonctionnalisés par greffage de porphyrine de manganèse. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1989, 86, 235-240.	0.2	3

#	ARTICLE	IF	CITATIONS
235	Evolution of nucleic acids biosensors detection limit III. Analytical and Bioanalytical Chemistry, 2022, 414, 943-968.	1.9	3
236	Electrochemical preparation of polymeric manganese divinyl-salen complex in acetonitrile solution. Journal of Electroanalytical Chemistry, 1993, 350, 345-352.	1.9	2
237	Vanadium Molecular Sieve, Vapo-5: Preparation and Electrochemical Characterization. Materials Research Society Symposia Proceedings, 1996, 431, 45.	0.1	2
238	Comparison of three different configurations of dual ultramicroelectrodes for the decomposition of S-Nitroso-L-glutathione and the direct detection of nitric oxide. Mikrochimica Acta, 2012, 179, 337-343.	2.5	2
239	Electrochemical Behavior of Stainless Steels for Sudomotor Dysfunction Applications. Electroanalysis, 2018, 30, 162-169.	1.5	2
240	PEDOT/Superoxide Dismutase Electrode Surface Modification for Superoxide Bioelectrochemical Sensing. Electroanalysis, 2020, 32, 29-36.	1.5	2
241	Input of Electroanalytical Methods for the Determination of Diclofenac: A Review of Recent Trends and Developments. ChemElectroChem, 2022, 9, .	1.7	2
242	New Composite Modified Carbon Microfibers for Sensitive and Selective Determination of Physiologically Relevant Concentrations of Nitric Oxide in Solution. , 1999, 11, 845.		2
243	Chemical oxidation of alkanes by fluoranil in HFâ€“SbF5superacid solutions. Journal of the Chemical Society Chemical Communications, 1982, .	2.0	1
244	Adsorption and self-assembly of a ferrocene d- and l-nonapeptide disulfide onto gold and mica substrates. New Journal of Chemistry, 2014, 38, 3637-3643.	1.4	1
245	Scanning Electrochemical Microscopy. , 2018, , .		1
246	Catalyse Ã©lectrochimique Ã  l'aide de catalyseurs immobilisÃ©s sur support organique ou minÃ©ral. European Physical Journal Special Topics, 1994, 04, C1-131-C1-146.	0.2	1
247	747. Plasmid Electrotransfer of Eye Ciliary Muscle: Principle and Therapeutic Efficacy in an Acute Inflammatory Model. Molecular Therapy, 2006, 13, S289.	3.7	0
248	P62. Assessing morphological effects of nitric oxide donor compounds on tumoral cells. Nitric Oxide - Biology and Chemistry, 2008, 19, 57.	1.2	0
249	Modified Electrodes with MN4 Complexes: Conception and Electroanalytical Performances for the Detection of Thiols. , 2016, , 277-321.		0
250	Electrochemical Behavior of Ce(IV)/Ce(III) Couple in N,Nâ€“Di(2â€“ethylhexyl)â€“nâ€“butanamide (DEHBA), N,Nâ€“Di(2â€“ethylhexyl)â€“isoâ€“butanamide (DEHiBA), and N,Nâ€“Di(2â€“ethylhexyl)â€“3,3â€“dimethyl Butanamide (DEHDMBA) Electroanalysis, 2021, 33, 1871-1876.		0
251	Nitric oxide and superoxide in biological systems. Analisis - European Journal of Analytical Chemistry, 2000, 28, 443-444.	0.4	0